

FIG. 1

IN THE CASE OF END POINT GRAY SCALE (CURRENT FRAME) =48/255

COMPENSATION VALUE

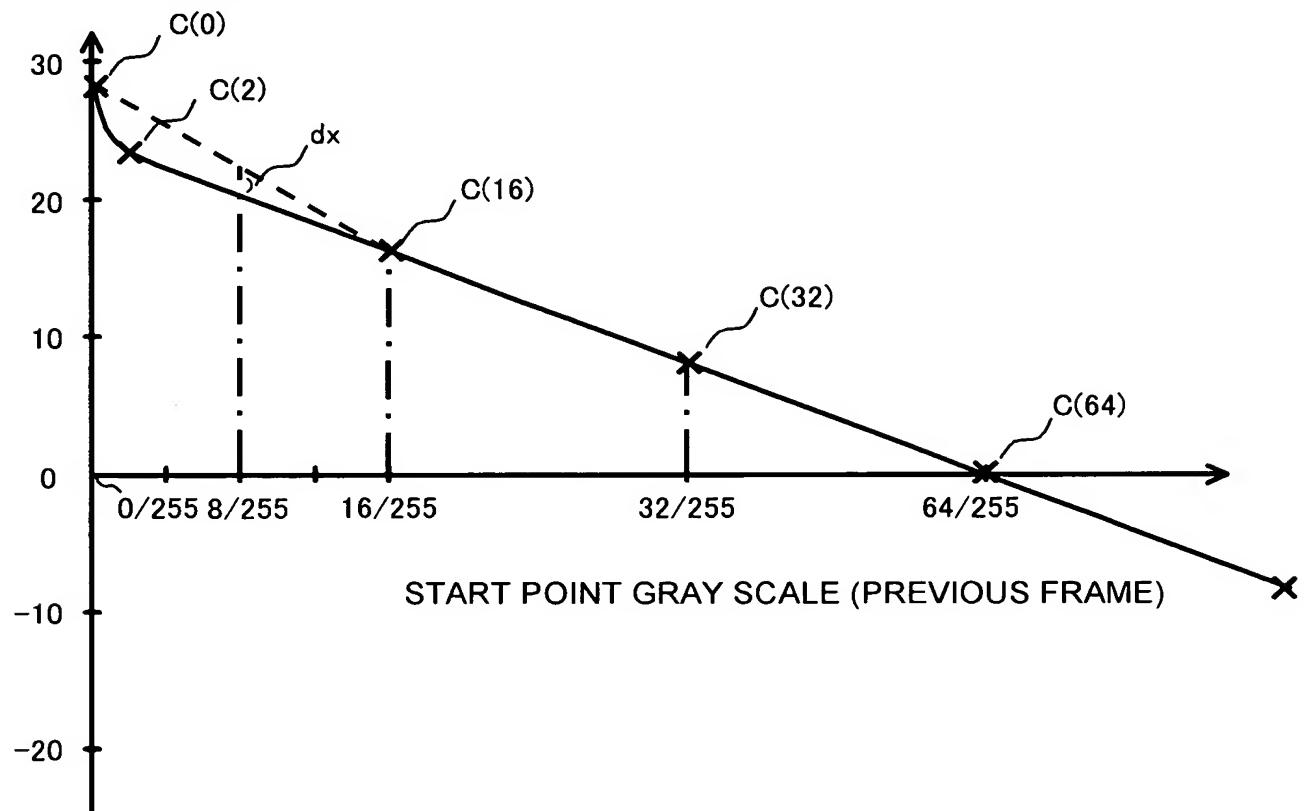


FIG. 2

BLOCK DIAGRAM

20: CONTROL CIRCUIT

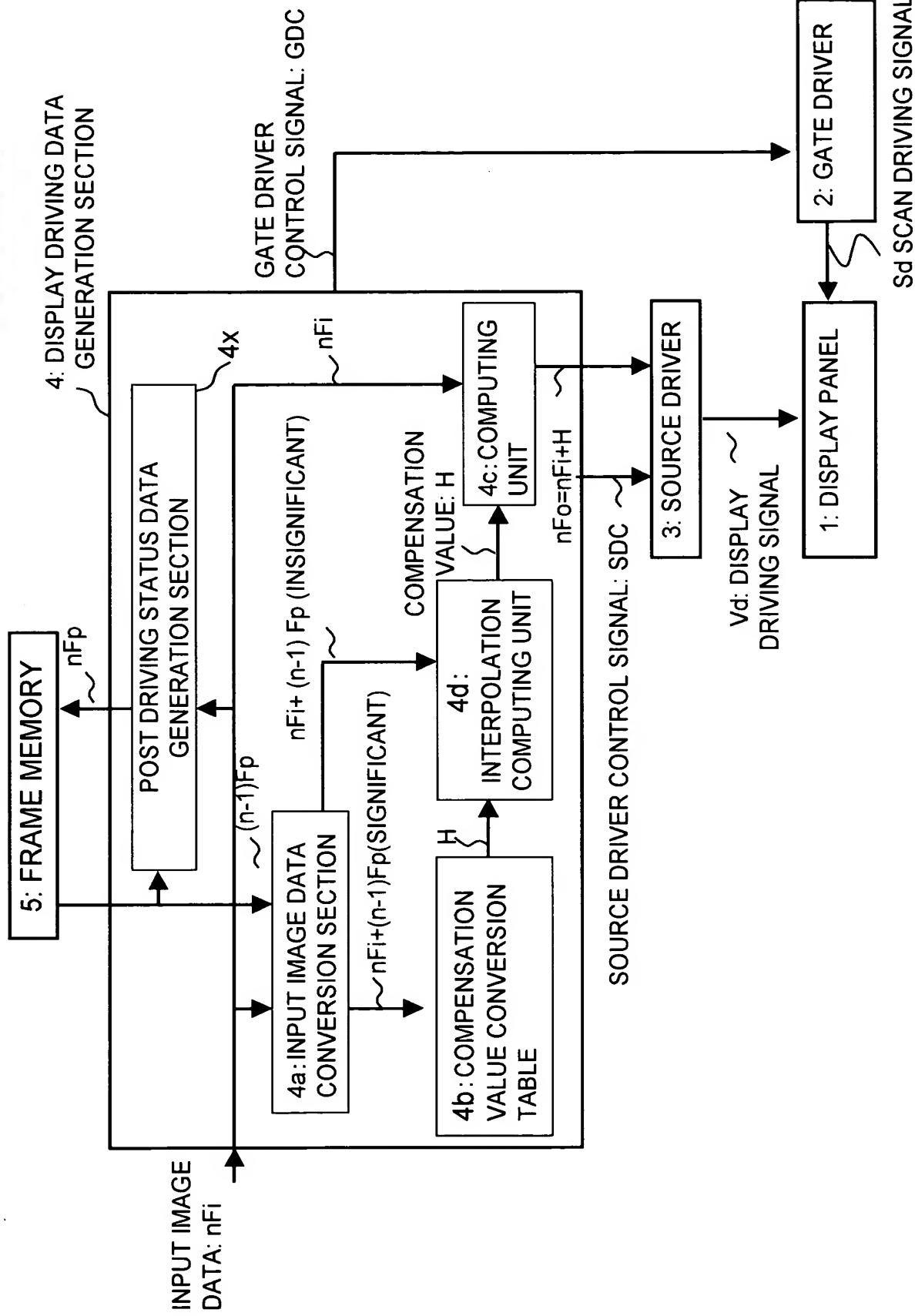


FIG. 3

FIRST EMBODIMENT

20: CONTROL CIRCUIT

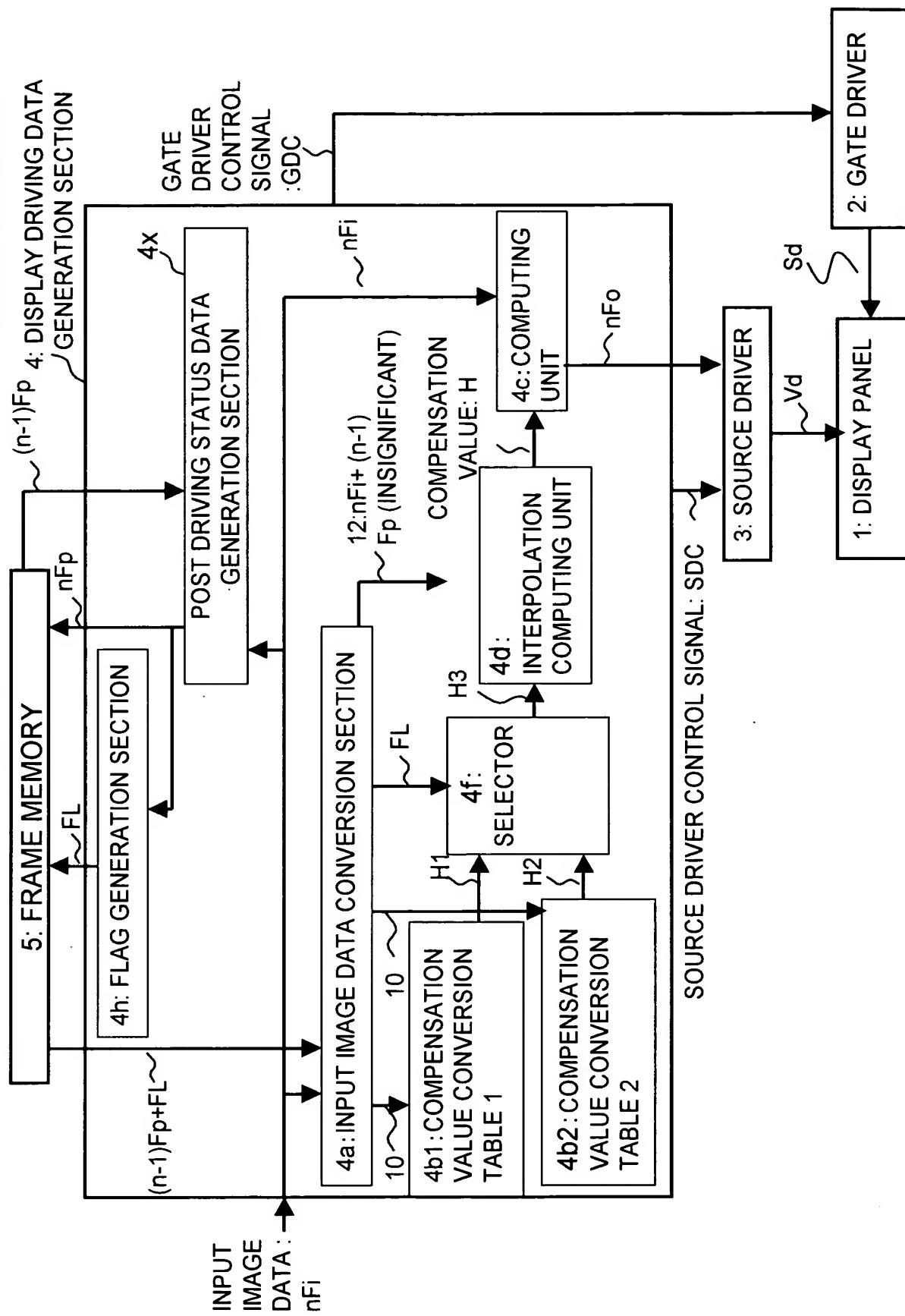


FIG. 4A 4b

COMPENSATION VALUE 60Hz Ta = 20°C		END POINT GRAY SCALE (IMAGE DATA OF CURRENT FRAME)																
START POINT	GRAY SCALE	0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
0/255	-	10	19	29	37	46	55	64	73	82	91	100	109	118	127	136	145	154
16/255	0	-	7	17	24	31	39	47	54	62	70	78	86	94	102	110	118	126
32/255	0	-	-	9	16	20	26	32	39	45	51	57	63	69	75	81	87	93
48/255	0	-	-	-	7	11	14	17	20	24	27	30	33	36	39	42	45	48
64/255	0	-	-	-	-	4	8	10	12	14	15	17	19	21	23	25	27	29
80/255	0	-	-	-	-	-	4	6	8	10	12	14	16	18	20	22	24	26
96/255	0	-	-	-	-	-	-	3	5	7	9	11	13	15	17	19	21	23
112/255	0	-	-	-	-	-	-	-	3	5	7	9	11	13	15	17	19	21
128/255	0	-	-	-	-	-	-	-	-	3	4	5	6	7	8	9	10	11
144/255	0	-	-	-	-	-	-	-	-	-	2	3	4	5	6	7	8	9
160/255	0	-	-	-	-	-	-	-	-	-	-	2	3	4	5	6	7	8
176/255	0	-	-	-	-	-	-	-	-	-	-	-	2	3	4	5	6	7
192/255	0	-	-	-	-	-	-	-	-	-	-	-	-	2	3	4	5	6
208/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	4	5
224/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	4
240/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
255/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

FIG. 4B 4b2

COMPENSATION VALUE 60Hz TA = 20°C		COMPENSATION VALUE TABLE (ORDINARY POINTS)																
START POINT	GRAY SCALE	0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
0/255	-	8	15	26	30	29	28	25	23	20	18	15	14	14	11	9	7	
16/255	0	-	7	9	16	24	24	24	22	20	19	15	13	11	10	8	7	
32/255	0	-	-	6	11	14	14	14	15	12	11	10	8	7	6	5	4	
48/255	0	-	-	-	7	4	8	10	10	9	8	7	6	5	5	4	3	
64/255	0	-	-	-	-	4	4	6	8	8	6	6	5	4	3	2	1	
80/255	0	-	-	-	-	-	3	3	3	3	3	2	2	1	1	1	1	
96/255	0	-	-	-	-	-	-	2	2	2	2	2	1	1	1	1	1	
112/255	0	-	-	-	-	-	-	-	2	2	2	2	2	1	1	1	1	
128/255	0	-	-	-	-	-	-	-	-	2	2	2	2	2	1	1	1	
144/255	0	-	-	-	-	-	-	-	-	-	2	2	2	2	2	1	1	
160/255	0	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	1	
176/255	0	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	
192/255	0	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	
208/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	
224/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
240/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
255/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	

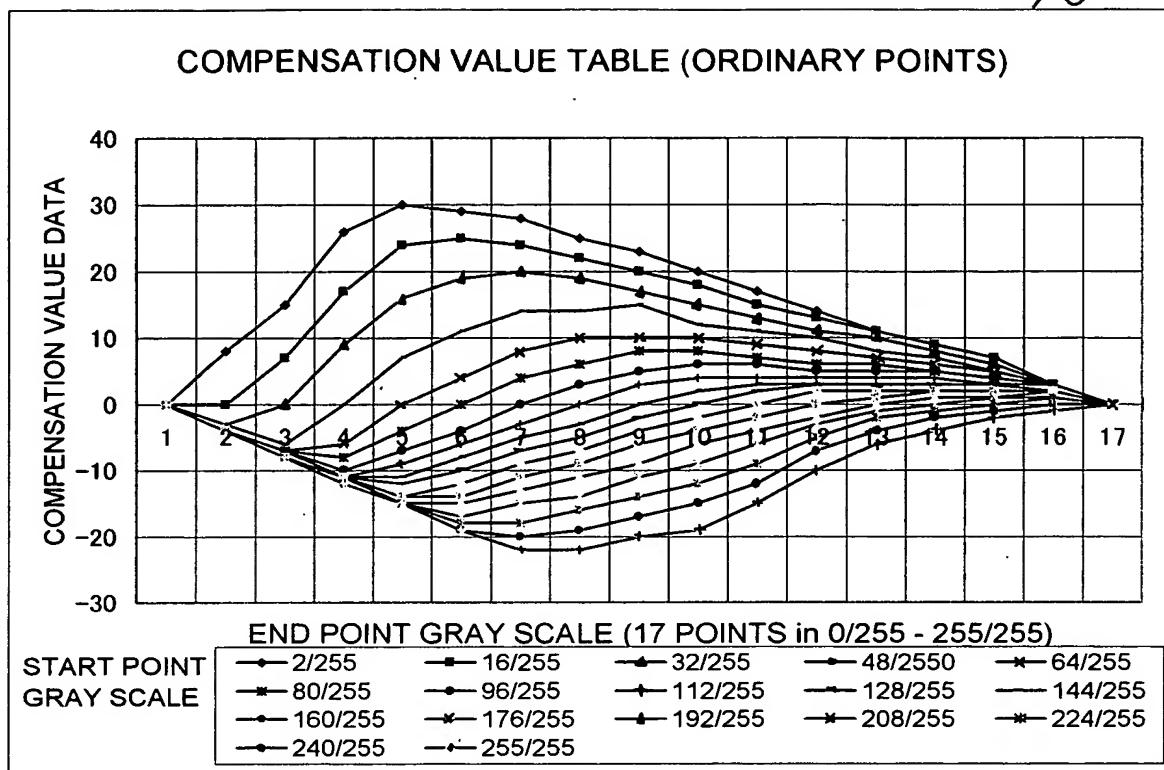
FIG. 4B 4b1

COMPENSATION VALUE 60Hz TA = 20°C		COMPENSATION VALUE TABLE (SINGULAR POINTS)																
START POINT	GRAY SCALE	0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
0/255	0	0	10	19	29	32	31	29	27	21	18	15	13	10	7	3	0	
16/255	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

FIG. 4C 4b1

FIG. 5

4b2



4b1

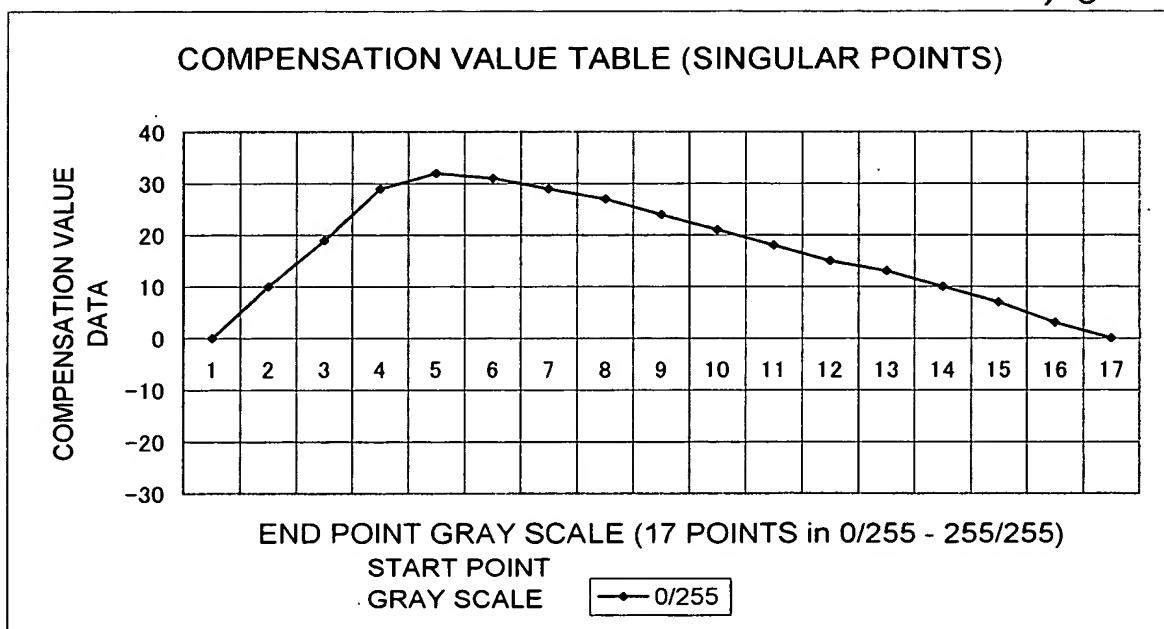


FIG. 6

SECOND EMBODIMENT

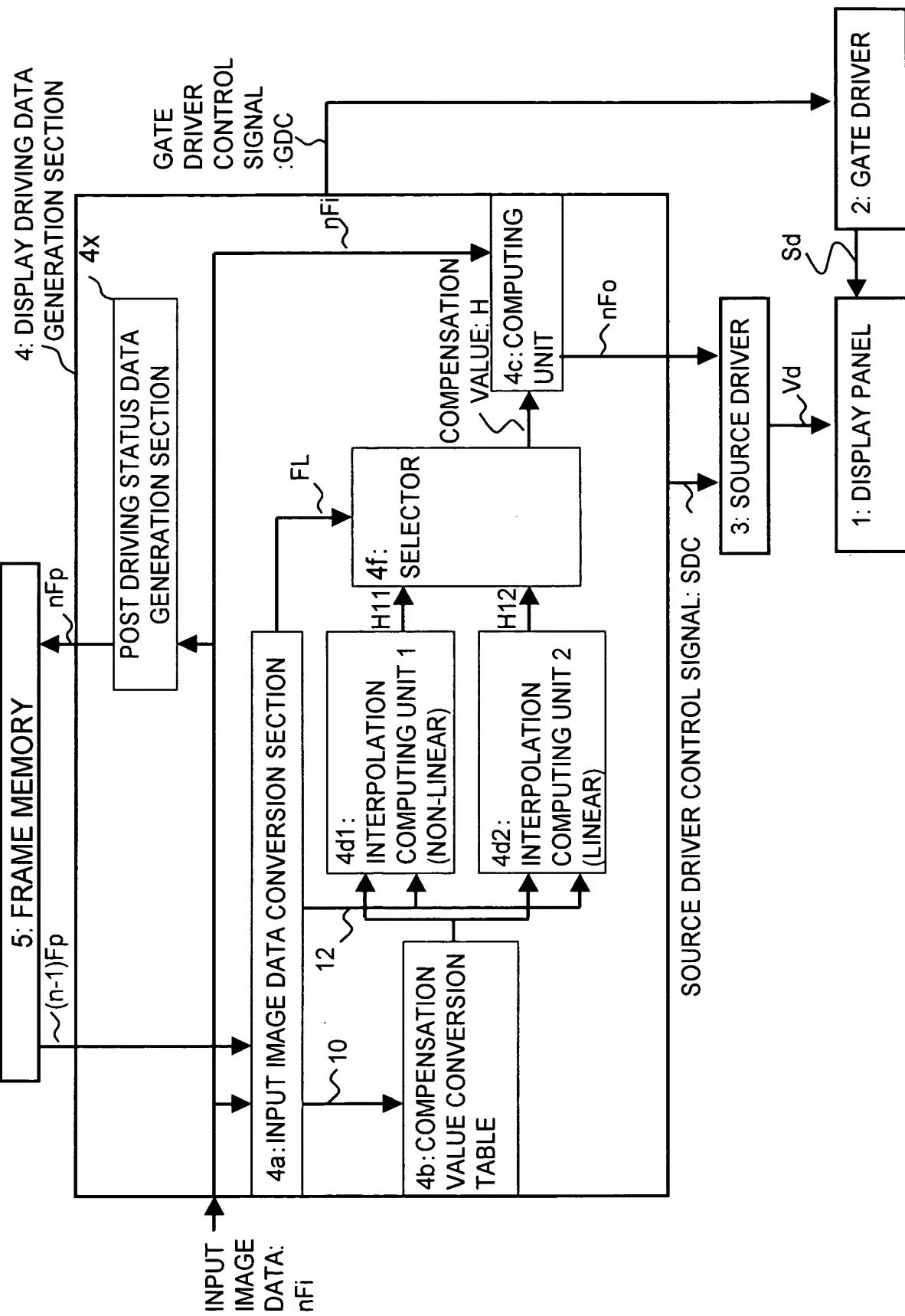


FIG. 7A 4d2

EQUAL DIVISION INTERPOLATION (STANDARD INTERPOLATION FORMULA)

←EQUAL DIVISION INTERPOLATION→

A11	(3*A11+A12)/4	(A11+A12)/2	(A11+3*A12)/4	A12
(3*A11+A21)/4	(9*A11+3*A12+3*A21+A22)/16	(3*A11+3*A12+A21+A22)/8	(3*A11+9*A12+A21+3*A22)/16	(3*A12+A22)/4
(A11+A21)/2	(3*A11+A12+3*A21+A22)/8	(A11+A12+A21+A22)/4	(A11+3*A12+A21+3*A22)/8	(A12+A22)/2
(A11+3*A21)/4	(3*A11+A12+9*A21+3*A22)/16	(A11+A12+3*A21+3*A22)/8	(A11+3*A12+3*A21+9*A22)/16	(A12+3*A22)/4
A21	(3*A21+A22)/4	(A21+A22)/2	(A21+3*A22)/4	A22

DIVIDES VERTICAL DIRECTION OF TABLE INTO 1:1:1
 HORIZONTAL DIRECTION INTO 1:1:1

FIG. 7B 4d1

UNEQUAL DIVISION INTERPOLATION EXAMPLE (SINGULAR POINT AREA INTERPOLATION FORMULA)

←EQUAL DIVISION INTERPOLATION→

A11	(3*A11+A12)/4	(A11+A12)/2	(A11+3*A12)/4	A12
(A11+A21)/2	(3*A11+A12+3*A21+A22)/8	(A11+A12+A21+A22)/4	(A11+3*A12+A21+3*A22)/8	(A12+A22)/2
(A11+3*A21)/4	(3*A11+A12+9*A21+3*A22)/16	(A11+A12+3*A21+3*A22)/8	(A11+3*A12+3*A21+9*A22)/16	(A12+3*A22)/4
(A11+7*A21)/8	(3*A11+A12+21*A21+7*A22)/32	(A11+A12+21*A21+7*A22)/16	(A11+3*A12+7*A21+21*A22)/32	(A12+7*A22)/8
A21	(3*A21+A22)/4	(A21+A22)/2	(A21+3*A22)/4	A22

DIVIDES VERTICAL DIRECTION OF TABLE INTO 4:2:1:1
 HORIZONTAL DIRECTION INTO 1:1:1:1



EQUAL DIVISION
 INEQUAL DIVISION
 INEQUAL DIVISION
 INEQUAL DIVISION



UNEQUAL DIVISION
 INEQUAL DIVISION
 INEQUAL DIVISION
 INEQUAL DIVISION

FIG. 8

SECOND EMBODIMENT (VARIANT FORM)

20: CONTROL CIRCUIT

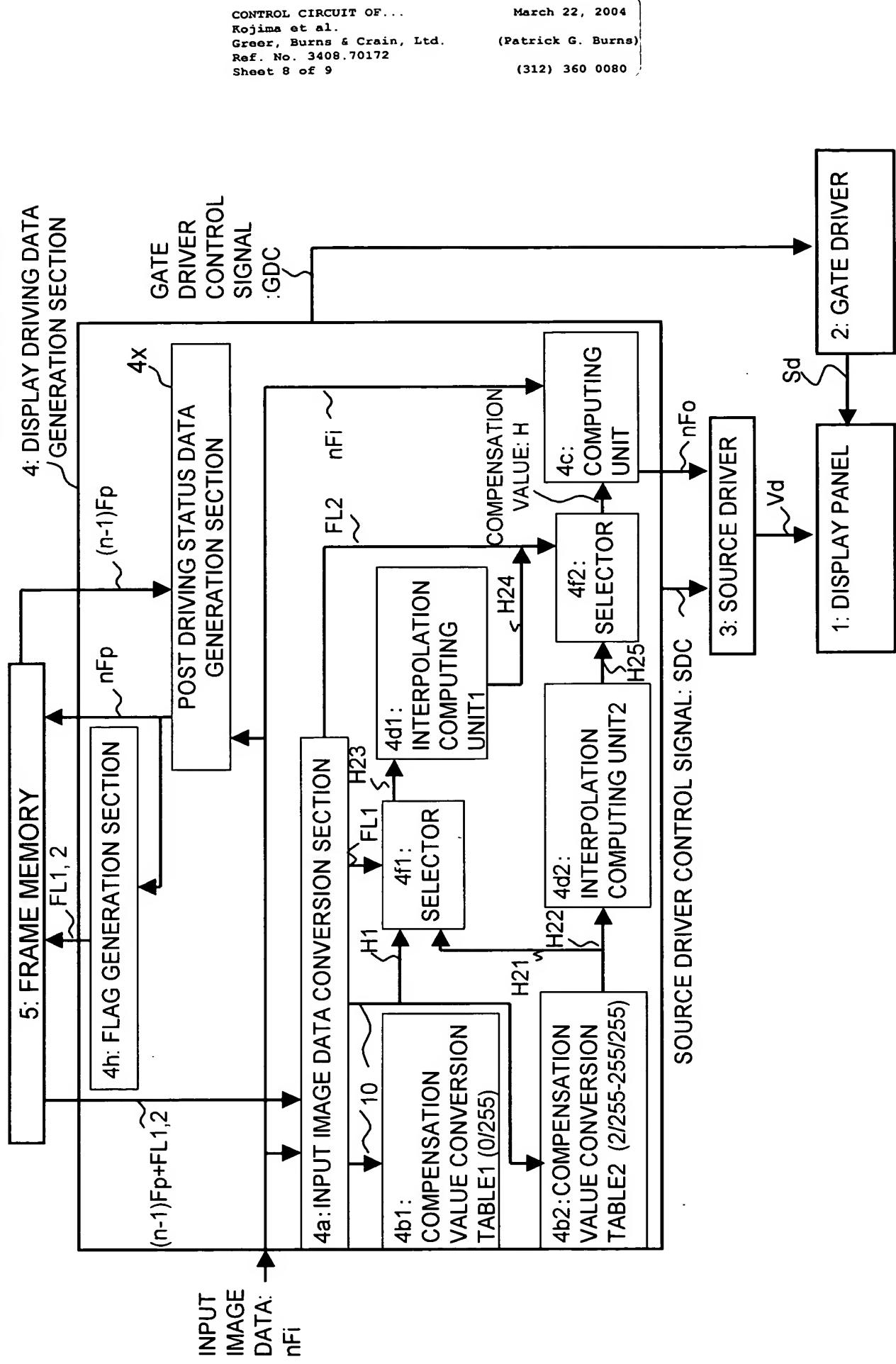


FIG. 9

THIRD EMBODIMENT

